



10/685962

COXC

Docket No. 97-8CIP1CON4  
PATENT

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop: **Decision and Certificate of Correction Branch of the Patent Issue Division**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 11-16-05

BY:

SUZANNE SHADLEY

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Number: 6,957,565 B2  
Issued: October 25, 2005  
Name of Patentee: Symyx Technologies, Inc.  
Title of Invention: Method And Apparatus For Characterizing Materials By Using A Mechanical Resonator

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

Sir:

Transmitted herewith (check all that apply):

- |                                                            |                                                                           |
|------------------------------------------------------------|---------------------------------------------------------------------------|
| <input type="checkbox"/> Preliminary Amendment             | <input type="checkbox"/> Information Disclosure Statement                 |
| <input type="checkbox"/> Response/Amendment A              | <input type="checkbox"/> Petition Under 37 CFR 1.97(d)(2)                 |
| <input type="checkbox"/> Response/Amendment After Final    | <input type="checkbox"/> Formal Drawings                                  |
| <input type="checkbox"/> Supplemental Amendment            | <input type="checkbox"/> Declaration Under 37 CFR 1.131                   |
| <input type="checkbox"/> Affidavits/Declarations           | <input type="checkbox"/> Declaration Under 37 CFR 1.132                   |
| <input type="checkbox"/> Declaration and Power of Attorney | <input type="checkbox"/> Terminal Disclaimer                              |
| <input type="checkbox"/> Supplemental Declaration          | <input type="checkbox"/> Small Entity Statement                           |
| <input type="checkbox"/> Power of Attorney                 | <input type="checkbox"/> Request for Refund                               |
| <input type="checkbox"/> Change of Correspondence Address  | <input type="checkbox"/> Appeal                                           |
| <input type="checkbox"/> Associate Power of Attorney       | <input type="checkbox"/> Petition to Correct Inventorship                 |
| <input type="checkbox"/> Response to Missing Parts         | <input checked="" type="checkbox"/> Request for Certificate of Correction |

to be filed in the above-identified patent application.

Certificate  
NOV 25 2005  
of Correction

**TOTAL AMOUNT OF PAYMENT:** \$100.00  
**METHOD OF PAYMENT**

The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 50-0496

Deposit Account Name: Symyx Technologies, Inc.

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Charge the Issue Fee Set it 37 CFR 1.18 at the Mailing of the Notice of Allowance

**FEE CALCULATION**

**1.EXTRA CLAIM FEES**

|                                                        |  | Extra Claims |  | Fee from below |  | Fee Paid |
|--------------------------------------------------------|--|--------------|--|----------------|--|----------|
| Total Claims                                           |  | -20** =      |  | X              |  |          |
| Independent Claims                                     |  | -3** =       |  | X              |  |          |
| Multiple Dependent Claims (first appearance) \$360/180 |  |              |  |                |  |          |

\*\*or number previously paid, if greater; For Reissues, see below

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description                                           |
|----------------------|-----------------------|----------------------|-----------------------|-----------------------------------------------------------|
| 1202                 | 50                    | 2202                 | 25                    | Claims in excess of 20                                    |
| 1201                 | 200                   | 2201                 | 100                   | Independent claims in excess of 3                         |
| 1203                 | 360                   | 2203                 | 180                   | Multiple dependent claim, if not paid                     |
| 1204                 | 200                   | 2204                 | 100                   | **Reissue independent claims over original patent         |
| 1205                 | 50                    | 2205                 | 25                    | **Reissue claims in excess of 20 and over original patent |
|                      |                       |                      |                       | <b>SUBTOTAL (2) (\$)</b>                                  |

2. ADDITIONAL FEES

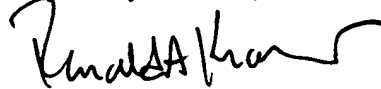
| Large<br>Fee<br>Code                                      | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description                                                            | Fee Paid |
|-----------------------------------------------------------|-----------------------|----------------------|-----------------------|----------------------------------------------------------------------------|----------|
| 1051                                                      | 130                   | 2051                 | 65                    | Surcharge – late filing fee or oath                                        |          |
| 1052                                                      | 50                    | 2052                 | 25                    | Surcharge – late provisional filing fee or cover sheet                     |          |
| 1053                                                      | 130                   | 1053                 | 130                   | Non-English specification                                                  |          |
| 1812                                                      | 2,520                 | 1812                 | 2,520                 | For filing a request for ex parte reexamination                            |          |
| 1804                                                      | 920*                  | 1804                 | 920*                  | Requesting publication of SIR prior to Examiner action                     |          |
| 1805                                                      | 1,840*                | 1805                 | 1,840*                | Requesting publication of SIR after Examiner action                        |          |
| 1251                                                      | 120                   | 2251                 | 60                    | Extension for reply within first month                                     |          |
| 1252                                                      | 450                   | 2252                 | 225                   | Extension for reply within second month                                    |          |
| 1253                                                      | 1,020                 | 2253                 | 510                   | Extension for reply within third month                                     |          |
| 1254                                                      | 1,590                 | 2254                 | 795                   | Extension for reply within fourth month                                    |          |
| 1255                                                      | 2,160                 | 2255                 | 1,080                 | Extension for reply within fifth month                                     |          |
| 1401                                                      | 500                   | 2401                 | 250                   | Notice of Appeal                                                           |          |
| 1402                                                      | 500                   | 2402                 | 250                   | Filing a brief in support of an appeal                                     |          |
| 1403                                                      | 1,000                 | 2403                 | 500                   | Request for oral hearing                                                   |          |
| 1451                                                      | 1,510                 | 1451                 | 1,510                 | Petition to institute a public use proceeding                              |          |
| 1452                                                      | 500                   | 2452                 | 250                   | Petition to revive – unavoidable                                           |          |
| 1453                                                      | 1,500                 | 2453                 | 750                   | Petition to revive – unintentional                                         |          |
| 1501                                                      | 1,400                 | 2501                 | 700                   | Utility issue fee (or reissue)                                             |          |
| 1502                                                      | 800                   | 2502                 | 400                   | Design issue fee                                                           |          |
| 1503                                                      | 1,100                 | 2503                 | 550                   | Plant issue fee                                                            |          |
| 1462                                                      | 400                   | 1462                 | 400                   | Petitions to the Director not specifically provided for (Group I)          |          |
| 1807                                                      | 50                    | 1807                 | 50                    | Petitions related to provisional applications                              |          |
| 1806                                                      | 180                   | 1806                 | 180                   | Submission of Information Disclosure Statement                             |          |
| 8021                                                      | 40                    | 8021                 | 40                    | Recording each patent assignment per property (times number of properties) |          |
| 1809                                                      | 790                   | 2809                 | 395                   | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810                                                      | 790                   | 2810                 | 395                   | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| Other fee (specify) Request for Certificate of Correction |                       |                      |                       |                                                                            | 100.00   |
| SUBTOTAL (3) (\$)                                         |                       |                      |                       |                                                                            | 100.00   |

\*Reduced by Basic Filing Fee Paid

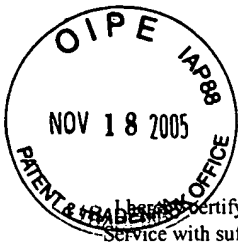
Date: 11-16-05

Symyx Technologies  
3100 Central Expressway  
Santa Clara, California 95051  
Tel.: (408) 764-2000; Fax: (408) 773-4029

Respectfully submitted,



Ronald A. Krasnow  
Reg. No. 33,321  
Attorney for Applicant(s)



Docket No. 97-8CIP1CON4  
**PATENT**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop: **Decision and Certificate of Correction Branch of the Patent Issue Division**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 11-11-05.

By: Suzanne Shadley  
Suzanne Shadley

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Number: 6,957,565 B2  
Issued: October 25, 2005  
Name of Patentee: Symyx Technologies, Inc.  
Title of Invention: Method And Apparatus For Characterizing Materials By Using A Mechanical Resonator

**ATTENTION: Decision and Certificate of Correction,  
Branch of the Patent Issue Division  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR APPLICANT'S MISTAKE**

Dear Sir:

It is noted that several errors appear in this patent of a minor nature or character, as more fully described on Form PTO/SB/44 enclosed. The following error by the U.S. Patent Office:

On the face of the patent:

(56) OTHER PUBLICATIONS

Replace "Hiavay, J. and G.G. Guilbault, "Applications of the Piezo-"" with  
--Hlavay, J. and G.G. Guilbault, "Applications of the Piezo-"

Corrections thereof do not involve such changes in the patent as would constitute new matter or would require re-examination. A certificate of correction is requested.

Attached hereto, in duplicate, is Form PTO/SB/44, with at least one copy being suitable for printing. The exact page and line numbers where the error occurs in the application file is listed on Form PTO/SB/44.

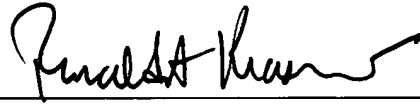
Please send the Certificate of Correction to:

Ronald A. Krasnow  
Symyx Technologies, Inc.  
3100 Central Expressway  
Santa Clara, CA 95051

Please charge the fee of \$100.00, as required by 37 C.F.R. section 1.20(a), as follows to our Deposit Account 50 0496. Should any additional charges be due, the Commissioner is authorized to charge the above-referenced deposit account.

Date: \_\_\_\_\_

11-16-05



Ronald A. Krasnow  
Registration No. 33,321  
Symyx Technologies, Inc.  
3100 Central Expressway  
Santa Clara, CA 95051  
408-764-2000  
Customer No. 22905

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 6,957,565 *B2*  
DATED: October 25, 2005  
INVENTOR(S) : Matsiev et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the coversheet of the patent, (56) OTHER PUBLICATIONS replace "Hiavay, J. and G.G. Guilbault, "Applications of the Piezo-"" with --Hlavay, J. and G.G. Guilbault, "Applications of the Piezo-"" --

MAILING ADDRESS OF SENDER:  
Symyx Technologies, Inc.  
Attn: Legal Dept.  
3100 Central Expressway  
Santa Clara, CA 95051

PATENT NO. 6,957,565  
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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 6,957,565 *B2*  
DATED: October 25, 2005  
INVENTOR(S) : Matsiev et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

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PATENT NO. 6,957,565  
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|                                                                                                   |   |                          |                  |
|---------------------------------------------------------------------------------------------------|---|--------------------------|------------------|
| Substitute for form 1449B/PTO                                                                     |   | <b>Complete if Known</b> |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   | Application Number       | N/A 10/1085 9102 |
|                                                                                                   |   | Filing Date              | N/A 10/15/2003   |
|                                                                                                   |   | First Named Inventor     | Leonid Matsiev   |
|                                                                                                   |   | Group Art Unit           | N/A 2850         |
|                                                                                                   |   | Examiner Name            | N/A Miller       |
|                                                                                                   |   | Attorney Docket Number   | 1012-122C4       |
| Sheet                                                                                             | 1 | of                       | 0                |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS |                       |                                                                                                                                                                                                                                                                 |                |
|---------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner Initials*                                | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| RSM                                               |                       | FISCH, M.R., et al., "Improved Acoustic Viscosimeter Technique", J. Acoust. Soc. Am., September 1976, pp. 623-625, v. 60, No. 3.                                                                                                                                |                |
| RSM                                               |                       | HIAVAY, J. and G.G. Guilbault, "Applications of the Piezoelectric Crystal Detector in Analytical Chemistry", Analytical Chemistry, November 1977, pp. 1890-1898, v. 49, No. 13.                                                                                 |                |
| RSM                                               |                       | KANAZAWA, K. KEIJI and Joseph G. Gordon II, "The Oscillation Frequency of a Quartz Resonator in Contact with a Liquid", Analytica Chimica Acta, 1985, pp. 99-105, Elsevier Science Publishers B.V., Amsterdam.                                                  |                |
| RSM                                               |                       | KIPLING, ARLIN L and Michael Thompson, "Network Analysis Method Applied to Liquid-Phase Acoustic Wave Sensors", Anal. Chem., 1990, pp. 1514-1519, 62.                                                                                                           |                |
| RSM                                               |                       | MICHELS, A. et al., "1 MHz Quartz Length Extension Resonator as a Probe for Scanning Near-Field Acoustic Microscopy", Thin Solid Films, 1995, pp. 172-175, 264.                                                                                                 |                |
| RSM                                               |                       | MURAMATSU, HIROSHI et al., "Computation of Equivalent Circuit Parameters of Quartz Crystals in Contact with Liquids and Study of Liquid Properties", Anal. Chem., 1988, pp. 2142-2146, 60.                                                                      |                |
| RSM                                               |                       | MURAMATSU, H. et al., "A Quartz Crystal Viscosity Sensor for Monitoring Coagulation Reaction and Its Application to a Multichannel Coagulation Detector", Biosensors & Bioelectronics, 1991, pp. 353-358, 6, Elsevier Science Publishers Ltd. England.          |                |
| RSM                                               |                       | NOMURA, T. and M. Iijima, "Electrolytic Determination of Nanomolar Concentrations of Silver in Solution with a Piezoelectric Quartz Crystal", Analytica Chimica Acta, 1981, pp. 97-102, 131, Elsevier Scientific Publishing Company.                            |                |
| RSM                                               |                       | PCT International Search Report, dated 27 April 1998.                                                                                                                                                                                                           |                |
| RSM                                               |                       | Troler et al., "Preparation of Chemically Etched Piezoelectric Resonators for Density Meters and Viscometers", Mat. Res. Bull., Vol. 22, pp. 1267-1274 (1987)                                                                                                   |                |
| RSM                                               |                       | News Release entitled "Field Trials of the Viscosity & Fluid Density Tool (VFD) and webpage excerpt (2 pages)                                                                                                                                                   |                |

|                                       |                         |
|---------------------------------------|-------------------------|
| Examiner Signature <i>Bore Miller</i> | Date Considered 4/30/04 |
|---------------------------------------|-------------------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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